

ABSTRACT OF THE DISCLOSURE

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The invention is directed to a monitoring system device attachable to a mechanical press, to measure long term reliability press conditions while in production operation. The device includes signal processing circuitry for processing a corresponding signal developed from an accelerometer. The signal processing circuitry has acceleration processing circuitry for calculating a press acceleration signal, a velocity processing circuitry for calculating a press velocity signal, and displacement processing circuitry for calculating a press displacement signal. Display circuitry is used for displaying at least one of said calculated signals.